

DTE/DCE/Fiber mode

Each serial port can be configured to connect to a terminal (DTE equipment), a modem (DCE equipment), or a Fiber Superloop Network card. Instructions for setting the switches SW2, SW3, SW4, SW5, SW6, SW7, SW8, and SW9 are shown in Table 12. Figure 5 shows the location of these switches on the paddleboard.

Table 12
NT8D41BA DTE/DCE/Fiber switch settings

Mode	Port 1 — SW 3						Port 1 —SW 2					
	1	2	3	4	5	6	1	2	3	4	5	6
DTE (terminal)	on	on	on	off	on	off	off	on	off	on	off	on
DCE (modem)	off	off	off	on	off	on	on	off	on	off	on	off
NT1P61 (Fiber)	on	on	on	on	on	off	on	on	on	off	on	off
	Port 2 — SW 5						Port 2 — SW4					
DTE (terminal)	on	on	on	off	on	off	off	on	off	on	off	on
DCE (modem)	off	off	off	on	off	on	on	off	on	off	on	off
NT1P61 (Fiber)	on	on	on	on	on	off	on	on	on	off	on	off
	Port 3 — SW 7						Port 3— SW 6					
DTE (terminal)	on	on	on	off	on	off	off	on	off	on	off	on
DCE (modem)	off	off	off	on	off	on	on	off	on	off	on	off
NT1P61 (Fiber)	on	on	on	on	on	off	on	on	on	off	on	off
	Port 4 — SW 9						Port 4 — SW 8					
DTE (terminal)	on	on	on	off	on	off	off	on	off	on	off	on
DCE (modem)	off	off	off	on	off	on	on	off	on	off	on	off
NT1P61 (Fiber)	on	on	on	on	on	off	on	on	on	off	on	off

Software service changes

Once the NT8D841BA QSDI paddle board has been installed in the system, the system software needs to be configured to recognize it, using the Configuration Record program (LD 17). Instructions for running this program are found in the *X11 Administration* (553-3001-311).

Some of the prompts that are commonly used when running the Configuration Record program (LD 17) are shown in Table 13. These parameters must be set for each port if both ports are being used.

Table 13
QSDI serial port configuration parameters

Prompt	Response	Description
REQ	CHG	Change configuration.
TYPE	ADAN	Configuration type.
ADAN	NEW TTY x New PRT x	Define a new system terminal (printer) port as device x, where x = 0 to 15.
CTYPE	SDI4	Quad port card
DES	XQSDI	Quad density QSDI paddle board.
USER	xxx	Enter the user of port x. The values that can be entered depend on the software being used. See the <i>X11 Administration</i> (553-3001-311) for details.
XSM	Yes, (No)	Port is used for the system monitor.

Applications

The NT8D41BA Quad Serial Data Interface paddle board is used to connect the Meridian 1 switch to a variety of communications devices, printers, and peripherals. Any RS-232-C compatible device can be connected to either of the card's two serial ports.

The standard application for the paddle board is to connect the Meridian 1 switch to the system console. This can be either a direct connection if the console is located near the switch, or through a modem for remote maintenance.

Bell 103/212 compatible dumb modems are recommended to connect a remote data terminal. If a smart modem (such as a Hayes modem) is used, configure the modem for the dumb mode of operation (Command Recognition OFF, Command Echo OFF) before connecting the modem to the asynchronous port.

The serial data interface connectors on the paddle board are not RS-232-C standard DB-25 connectors. The NT8D84AA interface cable is used to adapt the paddle board to a non-standard pinout DB-9 connector (normally located on the I/O panel). The NT8D93 cable is then used to connect the non-standard DB-9 connector to a peripheral that uses a RS-232-C standard DB-25 connector (See Figure 7.)

Figure 7
NT8D41BA QSDI paddle board cabling

